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TITLE: Medical diagnostics computer - uses variant of bayer's formula in terms of probability of specific illness being present in patient

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PATENT-FAMILY:

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SU 822200 B	April 15, 1981	N/A
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ABSTRACTED-PUB-NO: SU 822200B ✓

BASIC-ABSTRACT: Diagnostic unit is for patients' symptoms diagnosis, these being entered previously in the unit and is made more reliable by use of a reverse number setter and a constant addition unit.

The mathematical basis for the diagnosis is in determin. of probability, using a variant of Bayer's formula. The doctor enters patient data in operative data input (1). Constant data input (2) either serially or parallelly processes the data as weighting coeffts. Comparator (3) compares the two so that adder (5) receives those coeffts., corresp. to input (1). The constant number is raised to a power (6) (different for each illness) and the index is the sum of the weighting coeffts. Each is then added to a 1 (7) to produce a probability (8) which is indicated (9). Bul.14/15.4.81

CHOSEN-DRAWING: Dwg.1

TITLE-TERMS:

MEDICAL DIAGNOSE COMPUTER VARIANT BAYER FORMULA TERM
PROBABILITY SPECIFIC ILL
PRESENT PATIENT

DERWENT-CLASS: S05 T01

EPI-CODES: S05-D; T01-J06;